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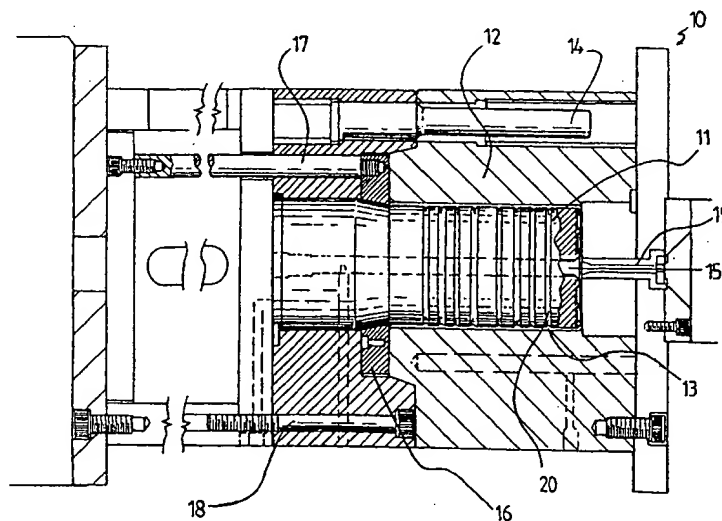
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<p>(21) International Application Number: PCT/AU99/01121 (22) International Filing Date: 17 December 1999 (17.12.99) (30) Priority Data: PP 7840 18 December 1998 (18.12.98) AU (71) Applicant (for all designated States except US): FILTER TECHNOLOGY AUSTRALIA PTY. LIMITED [AU/AU]; 133 King Street, Newcastle, NSW 2300 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): WINTER, Josef [AU/AU]; 114 Koolan Crescent, Shailer Park, QLD 4128 (AU). KRELLE, Harold, Thomas [AU/AU]; 89 Chilton Street, Sunnybank Hills, QLD 4109 (AU). (74) Agent: INTELLPRO; Patent and Trade Mark Attorneys, Level 7, Reserve Bank Building, 102 Adelaide Street, G.P.O. Box 1339, Brisbane, QLD 4001 (AU).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p>

(54) Title: A FILTER CARTRIDGE AND PROCESS



(57) Abstract

An injection moulding assembly (10) comprising a male moulding member (11) surrounded by a female moulding member (12) forming a void (13) between them that upon injection of molten plastics into the mould a container can be formed. The moulding assembly includes a guide rod (14) and ejection flange (16) and a pair of ejection flange guide rods (17 and 18), an air vent valve (15) and an injection passage (19). The male member (11) includes in this embodiment eight grooves (20) unevenly spaced so that the partially hardened container formed in the injection mould can be pushed from the mould using the ejection flange (16) while the container is sufficiently green to enable the ribs formed in the grooves (20) to move over the surface of the male mould (11) during the ejection process.